

CLAIM OR CLAIMS

1. A vehicular weatherseal for reducing an affinity to frozen water, the weatherseal selected for releasably contacting a confronting surface, the weatherseal comprising a cellular sealing portion formed of a polymeric material, the cellular sealing portion having an outer sealing surface defined by a freeze release material and the polymeric material, the freeze release material and at least a portion of the polymeric material are located to contact the confronting surface.

2. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion comprises a thermoset material.

3. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion comprises a thermoplastic elastomer.

4. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion comprises a bulb.

5. The vehicular weatherseal of Claim 1, wherein the freeze release material projects from an adjacent surface of the cellular sealing portion.

6. The vehicular weatherseal of Claim 1, wherein the freeze release material is flush with an adjacent portion of the cellular sealing portion.

7. The vehicular weatherseal of Claim 1, wherein the freeze release material has a thickness less than a thickness of the cellular sealing portion.

8. The vehicular weatherseal of Claim 1, wherein the freeze release material includes surface roughness forming particles.

9. The vehicular weatherseal of Claim 1, further comprising a U shape flange engaging channel connected to the sealing portion.

10. The vehicular weatherseal of Claim 1, wherein the freeze release material forms a band extending along the sealing portion.

11. The vehicular weatherseal of Claim 1, wherein the freeze release material comprises a strip.

12. The vehicular weatherseal of Claim 1, wherein the freeze release material comprises a thermoplastic.

13. The vehicular weatherseal of Claim 1, wherein the freeze release material forms a random pattern.

14. The vehicular weatherseal of Claim 1, wherein the freeze release material comprises between 1/3 to 2/3 of the surface area of the sealing surface.

15. The vehicular weatherseal of Claim 1, wherein the weatherseal comprises one of a channel mount or a pin mount seal.

16. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion comprises a flap.

17. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion comprises a finger.

18. The vehicular weatherseal of Claim 1, wherein the cellular sealing portion includes a skin.

19. The vehicular weatherseal of Claim 1, wherein the freeze release material has a lower bonding force to frozen water than the polymeric material.

20. The vehicular weatherseal of Claim 1, wherein the freeze release material has a greater hardness than the polymeric material.

21. A vehicular weatherseal for engaging a vehicular panel, the panel moveable between a closed seal contacting position and an open spaced apart position, the weatherseal comprising a sealing surface in contact with the panel in the closed position, the sealing surface including at least two freeze release areas formed of a first polymeric material and a sealing area formed of a second polymeric material, the freeze release areas extending along the sealing surface to locate a portion of the sealing area intermediate the freeze release areas, at least one of the freeze release areas and the sealing area are in contact with the vehicle panel in the closed position.

22. The vehicular weatherseal of Claim 21, wherein the first polymeric material has a lower bonding force to frozen water than the second polymeric material.

23. The vehicular weatherseal of Claim 21, wherein the freeze release areas have a greater rigidity than the polymeric sealing area.

24. The vehicular weatherseal of Claim 21, wherein the freeze release areas are less flexible than the polymeric sealing area.

25. The vehicular weatherseal of Claim 21, wherein the freeze release areas are between 1/3 to 2/3 of an area of the sealing surface.

26. The vehicular weatherseal of Claim 21, wherein the sealing area has a cellular structure.

27. The vehicular weatherseal of Claim 21, wherein the sealing surface comprises a flap.

28. The vehicular weatherseal of Claim 21, wherein the sealing surface comprises a finger.

29. The vehicular weatherseal of Claim 21, wherein the freeze release material comprises a thermoplastic.

30. The vehicular weatherseal of Claim 21, wherein the sealing area comprises a thermoset material.

31. The vehicular weatherseal of Claim 21, wherein the sealing area comprises a thermoplastic elastomer.

32. The vehicular weatherseal of Claim 21, wherein the sealing area comprises a bulb.

33. The vehicular weatherseal of Claim 21, wherein at least one freeze release area projects from an adjacent portion of the sealing surface.

34. The vehicular weatherseal of Claim 21, wherein at least one freeze release area is flush with an adjacent portion of the sealing surface.

35. The vehicular weatherseal of Claim 21, wherein at least one freeze release area includes surface roughness forming particles.

36. The vehicular weatherseal of Claim 21, further comprising a U shape flange engaging channel connected to the sealing surface.

37. The vehicular weatherseal of Claim 21, wherein at least one freeze release area comprises a thermoplastic.

38. The vehicular weatherseal of Claim 21, wherein the weatherseal comprises one of a channel mount or a pin mount seal.

39. The vehicular weatherseal of Claim 21, wherein the sealing area has a cellular structure.

40. The vehicular weatherseal of Claim 39, wherein the sealing area has a skin.

41. A vehicular weatherseal for engaging a vehicular panel moveable between a closed seal contacting position and an open spaced apart position, the weatherseal comprising a sealing surface in contact with the panel in the closed position, the sealing surface defined by at least a cellular portion and a non cellular portion.

42. The vehicular weatherseal of Claim 41 wherein the cellular portion is a thermoset.

43. The vehicular weatherseal of Claim 41 wherein the non cellular portion has a lower bonding force to frozen water than the cellular area.

44. A vehicular weatherseal for engaging a vehicular panel moveable between a closed seal contacting position and an open spaced apart position, the weatherseal comprising a sealing surface in contact with the panel in the closed position, the sealing surface defined by at least a first cellular portion of a first material and a second cellular portion of a different second material.

45. The vehicular weatherseal of Claim 44, wherein at least one of the first and the second materials are polymeric.

46. A vehicular weatherseal for engaging a vehicular panel moveable between a closed seal contacting position and an open spaced apart position, the weatherseal comprising a sealing bulb of a dense material in contact with the panel in the closed position, a sealing surface of the bulb defined by at least a portion of the sealing bulb and an area of a different freeze release material.

47. The vehicular weatherseal of Claim 46, wherein the freeze release material has a cellular structure.